MVP - TCODE - *PRO*

Powered by *ADVANCED DIAGNOSTICS USA*

MAZDA PROX 2014 (ADS-225)

Models Covered:

(At time of printing)

2013-2015 CX-5
2014-2015 MAZDA 3
2014-2015 MAZDA 6

MVP & TCODE PRO

U.S. Patent #7315238

or

+

PIN

OUT-CODE / IN-CODE
DEALER or NASTF
ONLY

DONGLE

G–Tan

Also Requires Smart Card

Or
Advanced Diagnostics
Web Challenge / Response
If Pro is not SMC enabled.
SEE WWW.ADUSA.US FOR INFO

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OVERVIEW

> A maximum of six remote transmitters (PROX) can be programmed to one vehicle.

>Two or more remote transmitters (PROX) must be programmed for the engine to start.

>If the engine is started during programming, the programming mode cancels. Therefore, do not start the engine unless indicated in the procedure.

>Repeat the procedure from the beginning if the engine is started or the procedure is interuppted.

>If any metallic or magnetic object is near the remote transmitter, communication between the remote transmitter and the vehicle may be obstructed, resulting in a failure to program. Remove any metallic or magnetic objects, such as key holders, from the remote transmitter when programming.

Remote transmitter & E-Key AKA PROX

Push to Start / Stop button

About Prox Keys

From what we have seen these Mazda Prox are re-usable from one car to another however, there are several button configurations used depending on how the vehicle is equipped
I.E. Hatch, Trunk, etc. Always verify correct parts needed with a reputable supplier.

Immobilizer light / Indicator

When the vehicle is started theft light / indicator should be out. Not blinking etc.

If the light is on or blinks when the car is turned on then the is a problem with the key or with the immobilizer system.

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SPECIAL FUNCTIONS MENU

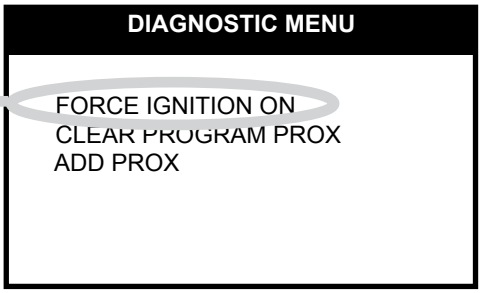
FORCE IGNITION ON

Use this function when you have NO WORKING prox Available.

To use CLEAR OR ADD PROX the Ignition must first be placed in the ON position.

Use FORCE IGNITION ON to accomplish this FIRST before doing anything else.

Once the Ignition is ON, leave it on and proceed to one of the procedures below.



It is normal for the theft light to blink while the Ignition has been forced on.

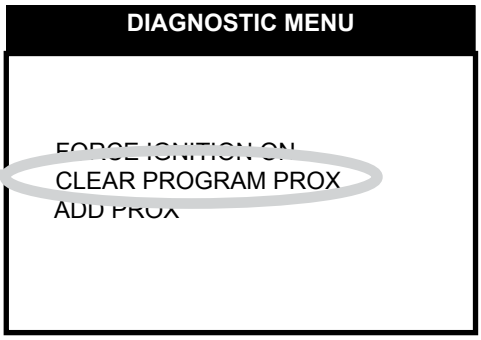
CLEAR PROGRAM PROX

Use this function to CLEAR all existing prox remotes from the system and to PROGRAM TWO new ones.

You will need to have TWO prox remotes ready in order to complete this procedure.

The Ignition MUST be placed in the ON position to begin so either use FORCE IGNITION ON.

If you have a working prox use it to place the ignition in the ON position.



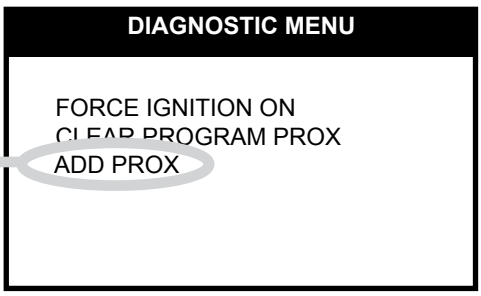
REQUIRES A MAZDA INCODE!
An IN-CODE is required to use this software.
Must be obtained from a friendly Mazda dealer or thru N.A.S.T.F. while at the job!

ADD PROX

Use this function when you want to ADD a prox into the system without erasing any of the already programmed ones.

You will need to have ONE prox remote ready in order to complete this procedure. However, the Prox will not function completely until the engine is started with TWO Prox remotes. Until the engine starts with TWO prox remotes the new prox will only start the engine when held up to the Start/Stop button.

The Ignition MUST be placed in the ON position to begin so either use FORCE IGNITION ON.
If you have a working prox use it to place the ignition in the ON position.



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START HERE - IF NO WORKING PROX IS AVAILABLE

FORCE IGNITION ON PROCEDURE

Start by turning on the hazard lights

Leave the Ignition in the OFF position

PRESS ENTER TO CONTINUE

HAZARDS ON/ IGNITION OFF

PRESS ENTER KEY

ECU ID SCREEN SHOULD DISPLAY

PRESS ENTER TO CONTINUE

ECU IDENTIFICATION

MAZDA CX5 / 3 / 6

PRESS ENTER KEY

Select SPECIAL FUNCTIONS

PRESS ENTER TO CONTINUE

DIAGNOSTIC MENU

ECU IDENTIFICATION
>SPECIAL FUNCTIONS

Select FORCE IGNITION ON

THEN PRESS ENTER

DIAGNOSTIC MENU

>FORCE IGNITION ON
CLEAR PROGRAM PROX
ADD PROX

Press and Release the Start Stop Button
(For about a second)

THEN PRESS ENTER

FORCE IGNITION

PRESS & RELEASE START / STOP BUTTON

PRESS ENTER KEY

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The light on the START / STOP Button should turn ORANGE once it does Press the START / STOP BUTTON & the Ignition should turn ON. Once it does, LEAVE IT ON.

FORCE IGNITION

WAIT FOR THE LIGHT ON START / STOP BUTTON TO TURN ORANGE THEN PRESS & RELEASE START / STOP BUTTON IGNITION SHOULD TURN ON

YOU MAY SKIP THE "FORCE IGNITION ON" PRECEDURE IF YOU HAVE A WORKING PROX AVAILABLE.

ONCE YOU HAVE COMPLETED THE "FORCE IGNITION ON" PROCEDURE THE DASH SHOULD BE FULLY ON AND THE THEFT LIGHT SHOULD BE BLINKING RAPIDLY

SEE NEXT PAGES >>>>>

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CLEAR PROGRAM PROX PROCEDURE

SWITCH THE IGNITION "ON"
OR FORCE THE IGNITION ON PRIOR TO BEGINNING!

CLEAR PROGRAM PROX
Erases ALL currently programmed Prox and programs in TWO Prox.

SELECT CLEAR PROGRAM PROX

Make sure you have 2 Prox keys ready to Program!

MAKE SURE THE IGNITION IS ON!

DIAGNOSTIC MENU
FORCE IGNITION ON
> CLEAR PROGRAM PROX
ADD PROX

Press the Check mark if you want to continue
Or
Press the X if you want to abort.

CLEAR KEYS	
WARNING ALL KEYS WILL BE CLEARED CONTINUE	
X	✔

USE THE OUTCODE TO OBTAIN AND INCODE FROM MAZDA.

ONCE YOU HAVE OBTAINED THE INCODE PRESS ENTER TO CONTINUE

GAINING ACCESS

OUTCODE: 17 68 2C

(EXAMPLE ONLY!)

PRESS ENTER KEY

STAY CONNECTED WHILE YOU OBTAIN THE INCODE
IF YOU DISCONNECT YOU WILL HAVE TO START OVER!

Carefully
Enter the 4-Digit
IN-CODE

IN-CODE

_ _ _ _

1	2	3	4	5
6	7	8	9	0

CONTINUED ON NEXT PAGE >>>>>

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CLEAR PROGRAM PROX PROCEDURE

CONTINUED'

To change to letters on the keypad use the left and right arrow keys.

IN-CODE

_ _ _ _

A	B	C	D	E
F	G	H	I	J

Once you have entered the INCODE IN-CODE

Select the check Mark to continue or the X to abort.

9 0 0 B

(EXAMPLE ONLY)

X ✔

THE NEXT SCREEN SHOULD SHOW THAT ALL KEYS HAVE BEEN CLEARED

PRESS ENTER TO CONTINUE

PROGRAM PROX

KEYS PROGRAMMED : 00

2 KEYS REQUIRED

PRESS ENTER KEY

PRESS THE START / STOP BUTTON TO TURN THE IGNITION OFF

THEN PRESS ENTER TO CONTINUE

PROGRAM PROX

PRESS THE START / STOP BUTTON TO SWITCH THE IGNITION OFF

PRESS ENTER KEY

CONTINUED ON NEXT PAGE >>>>>

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CLEAR PROGRAM PROX PROCEDURE

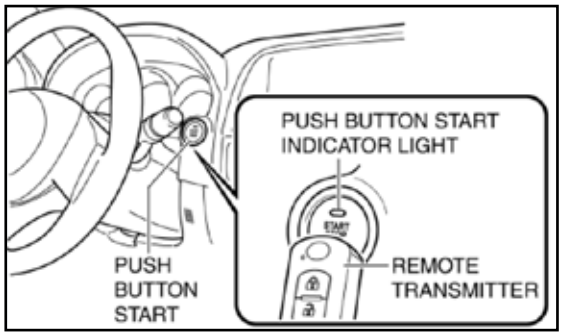
CONTINUED'

PROGRAM PROX

DO NOT PRESS THE BRAKE PEDAL

PRESS THE START / STOP BUTTON TO TURN THE IGNITION ON

WITHIN 10 SECONDS HOLD THE 1ST PROX OVER THE START / STOP BUTTON WITH THE MAZDA LOGO FACING YOU



Perform this step as shown above.

The reason NOT to depress the brake pedal is we do NOT want the engine to start.

THE SCREEN SHOULD NOW DISPLAY
KEYS PROGRAMMED: 1
AND
ASK YOU TO TURN THE IGNITION OFF

PROGRAM PROX

KEYS PROGRAMMED: 1

PRESS THE START / STOP BUTTON TO SWITCH THE IGNITION OFF

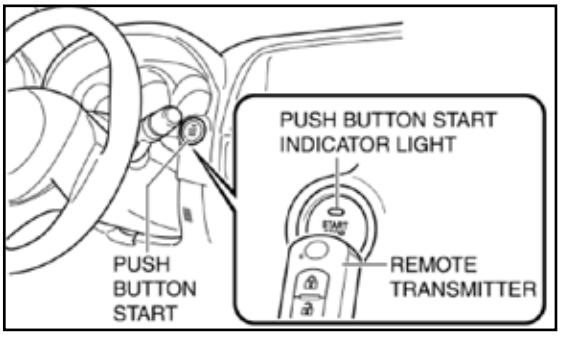
REPEAT THE PROCESS TO PROGRAM IN THE 2ND PROX.

PROGRAM PROX

DO NOT PRESS THE BRAKE PEDAL

PRESS THE START / STOP BUTTON TO TURN THE IGNITION ON

WITHIN 10 SECONDS HOLD THE 1ST PROX OVER THE START / STOP BUTTON WITH THE MAZDA LOGO FACING YOU



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CLEAR PROGRAM PROX PROCEDURE

CONTINUED'

THE SCREEN SHOULD NOW DISPLAY
KEYS PROGRAMMED: 2
AND
ASK YOU TO TURN THE IGNITION OFF

PROGRAM PROX

KEYS PROGRAMMED: 2

PRESS THE START / STOP BUTTON TO SWITCH THE IGNITION OFF

PROGRAM PROX

TO COMPLETE THE PROCEDURE START THE ENGINE WHILE HOLDING EACH PROX UP TO THE START / STOP BUTTON

PRESS ENTER KEY

IT'S <u>VERY IMPORTANT</u> TO PERFORM THIS STEP!

UNTIL EACH PROX STARTS THE VEHICLE THEY WILL NOT OPERATE PROPERLY.

IF FOR ANY REASON 2 PROX DID NOT SUCCESSFULLY PROGRAM REPEAT THE PROCESS OF HOLDING UP THE PROX SHOWN ON THE PREVIOUS PAGE UNTIL BOTH PROX OPERATE AND START THE ENGINE.

ADD PROX PROCEDURE

The ADD PROX procedure is essentially the same as the CLEAR PROGRAM PROCEDURE

EXCEPT it does not ERASE any previously programmed PROX and only programs 1 NEW Prox.

<u>IMPORTANT:</u>

Before ADDING a PROX make sure you have at least one of the 2 already working PROX available.

This is because of the way MAZDA designed the system.

Remember, before any PROX that has been added will work properly the engine MUST be started with TWO prox keys.

If you ADD a Prox but DO NOT have the other PROX available the new prox will work and start the engine but only by holding it up to the start / stop button.
The process can be completed later by starting the engine with the other prox but this is something to be aware of as your customer will likely NOT be happy until everything works as designed.

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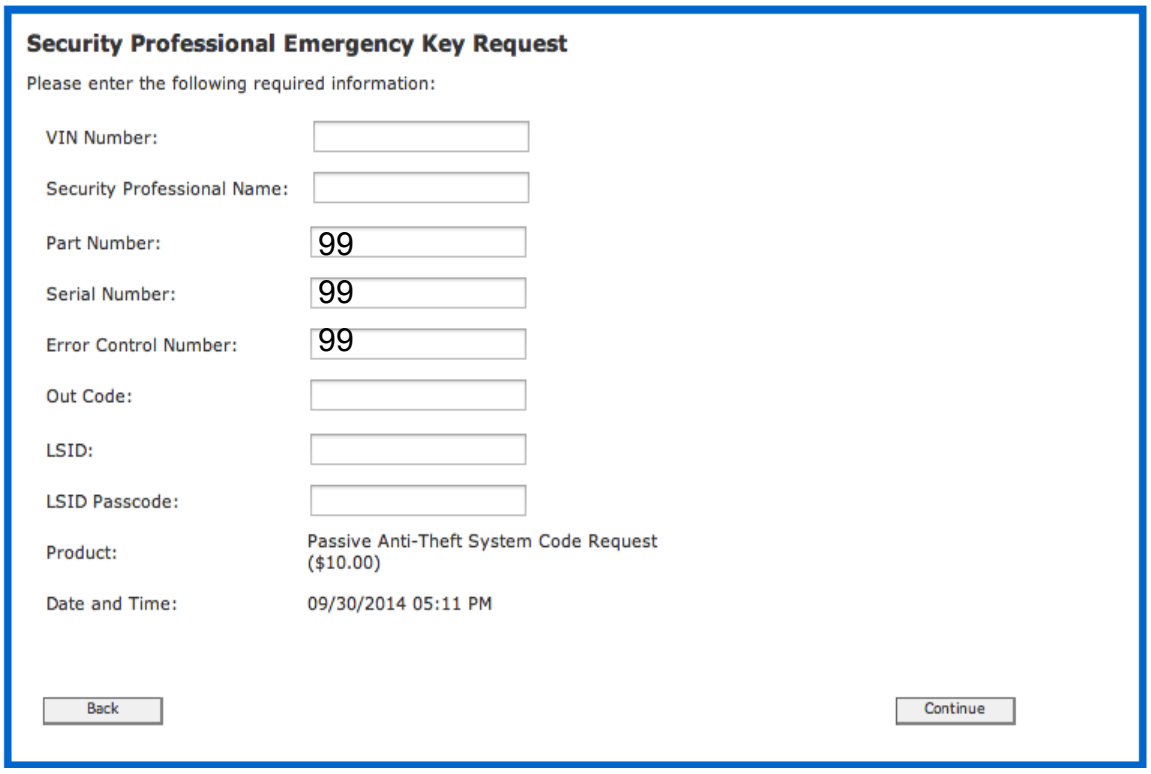

Helpful tip for filling out the MAZDA info:

Insert 99 into the fields shown above.

Insert the OUT-CODE displayed on the PRO without any spaces:

Example: ABCD12

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